

**FIG. 1**

mrq3	LCPIWYHCHRPHTSTVMCAVIWVLSLLICILNSYFCGFLNTQYKNENCLALNFFTTAAAYLMFLFVWLCSSLALVA
mrq4	LCPTWYHCHRPVHTSTVMCAAIWVLSLLICILNSYFCGVLHTRYDNDNCLATNIFTASYMTFLVWLCSSLALLA
mrq5	LCPIWYHCHRRPEHTSTVMCAVIWVLSLLICILGYSYCGVLDNHYFNSVCOAWDIFIGAYPMFLFVWLCSTLALLA
mrq6	LCPIWYHCHRRPEHTSTVMCAVIWVLSLLICILNSYFCGFLNTQYKNENCLALSFPTAAAYLMFLFVWLCSSLALVA
mrq7	LCPTWYHCHRPVHTSTVMCAVIWVLSLLICILNSYFCVHLTRYDNDNCLATNIFTASYMIFLLVWLCSSLALLA
mrq8	LCPIWYHCHRPHTSTVMCAVIWVLSLLICILNRYCDLFGPKVEINSVCOASEFFIRIYPIFLFVWLCSTLALLA
Human1	LWPIWYHCHRPHTLSAVVCVLLWALSLLRSILEWMLCGFLFSGA - DSAWQQTDFITVAWLIFLCVWLCGSSILVLI
Human2	LWPIWYHCHRRPRHLSAVVCVLLWALSLLRSILEGKFCGFLFSDG - DSGWQQTDFITAAWLIFLFWVLCGSSLALLV
mrq3	RLFCGTGQIKULTRLVYVIMLSILVFLLCGLPFGIHWFLFKIKDDFHVFDLGFYLASVVVLTAINSCANPIIYFFVG
mrq4	RLFCGAGOMKAYQFHVTTLLTLVFLLCGLPIAIYCELLFKIKGDFHVDVNLVLALEVLTAINSCANPIIYFFVG
mrq5	RLFCGARNMKTRLFVTIMLTIVLFLLCGLPWGITWFLFWIAPGVFVDPDYSPLL - - - VLTAINSCANPIIYFFVG
mrq6	RLFCGARNMKTRLFVTIMLTIVLFLLCGLPWGITWFLFWIAPGVFVDPDYSPLL - - - VLTAINSCANPIIYFFVG
mrq7	RLFCGAGOMKTRLFVTIMLTIVLFLLCGLPFVIYICLLPKDDHVLVDVNLVLALEVLTAINSCANPIIYFFVG
mrq8	RLFCGAGKKKTRLFMTIMVTLVFLLCGLPLGFLWFLPWIEGGFSILDYREFLASLVLTAVNSCANPIIYFFVG
human1	RILCGSRKIPLTRLVYVITLLTLVFLLCGLPFGIQGFELFWIHVDREVLFCHVHLVSIFLSALNSSANPIIYFFVG
human2	RILCGSRGLPLTRLVYVITLLTLVFLLCGLPFGIQGFELFWIWKDSDVLFCHIHVPSVVLSSLNSSANPIIYFFVG

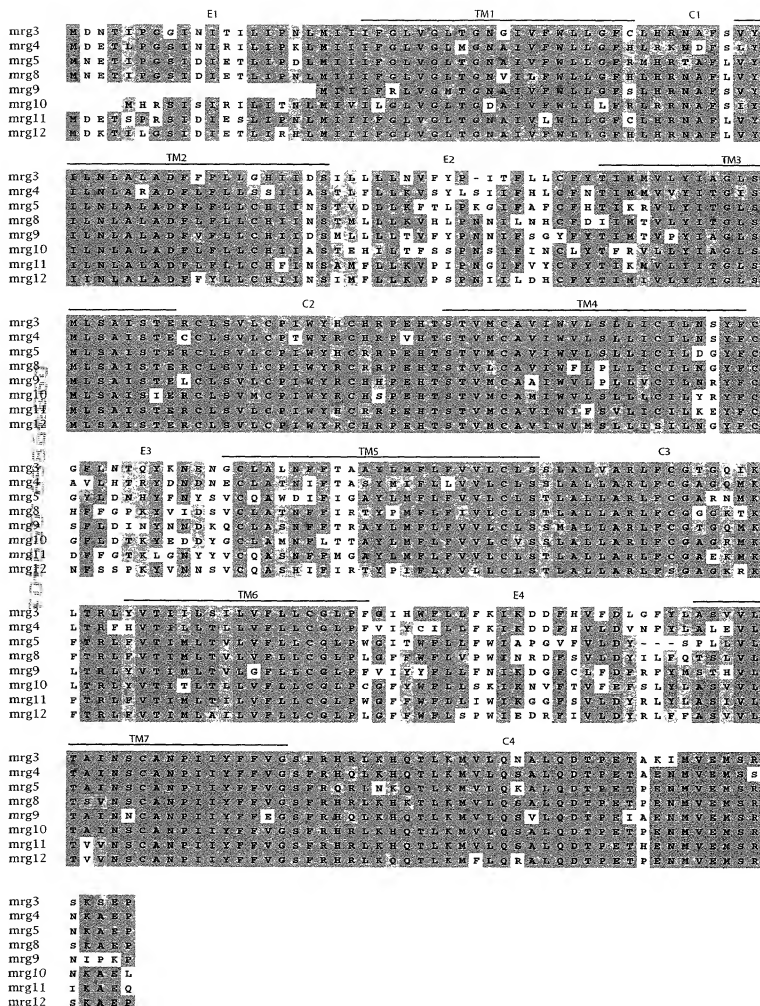
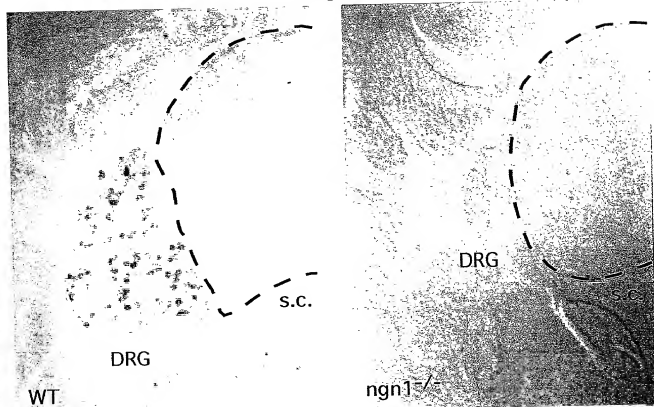


FIG 1A

*mrg3*



*mrg4*

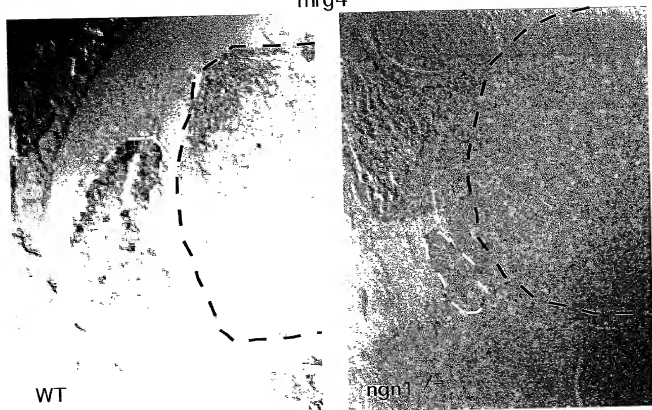
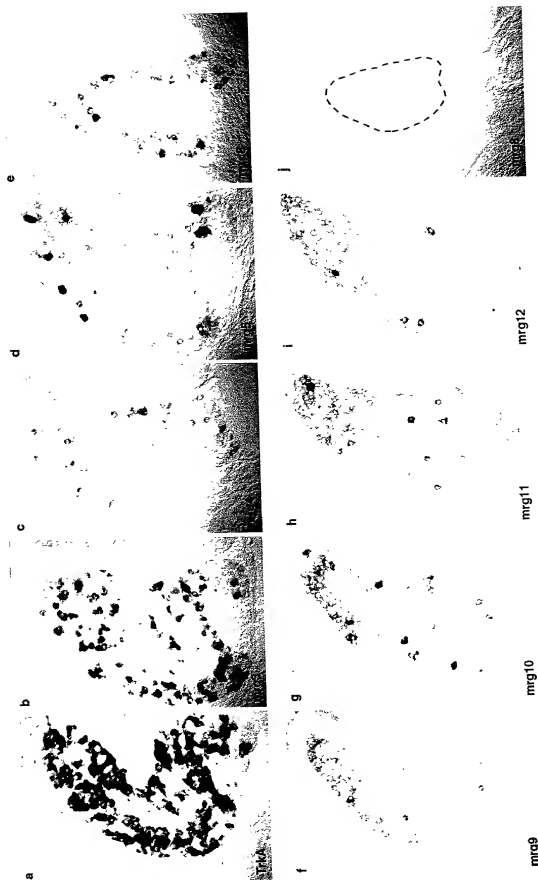


FIG 2

FIG 2A



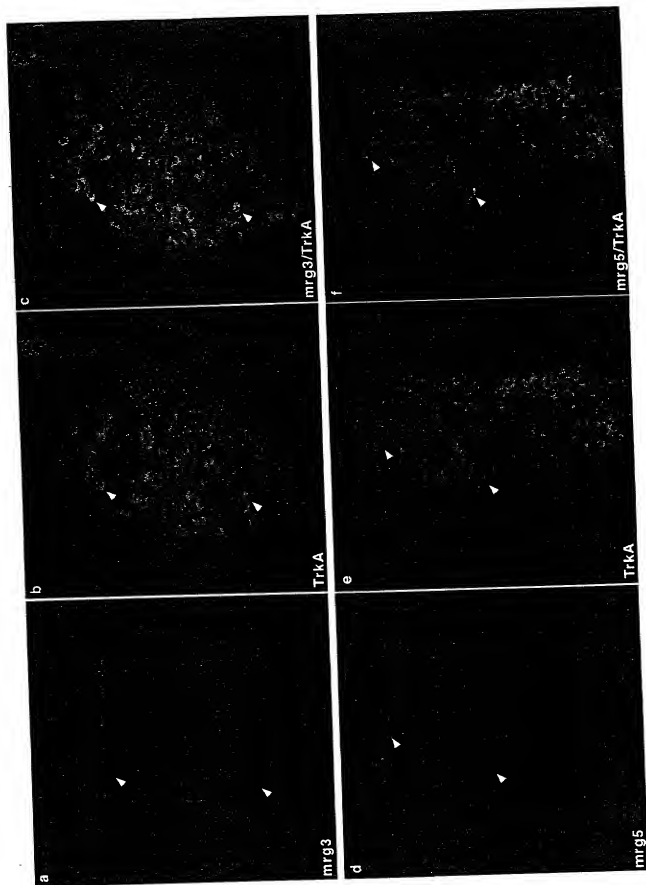
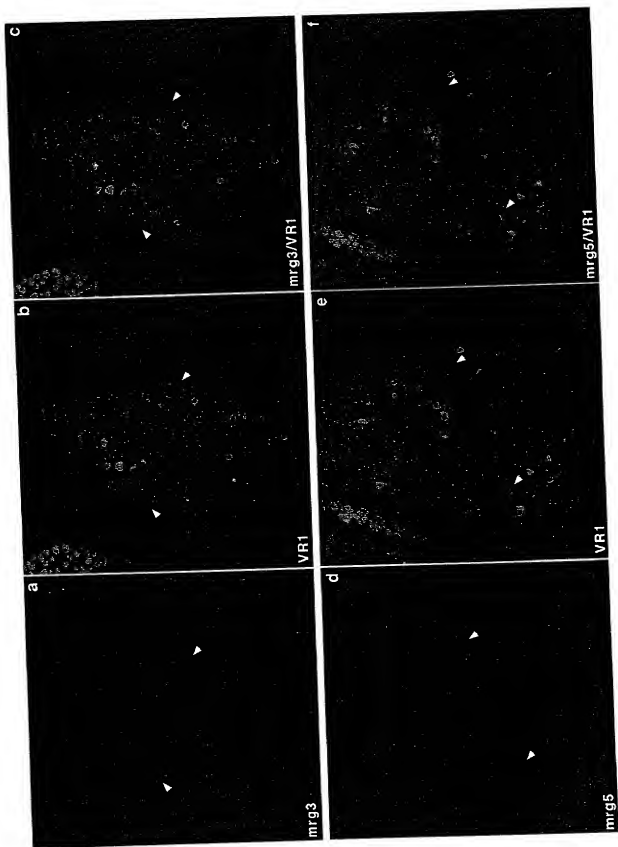


FIG 2B

FIG 2C



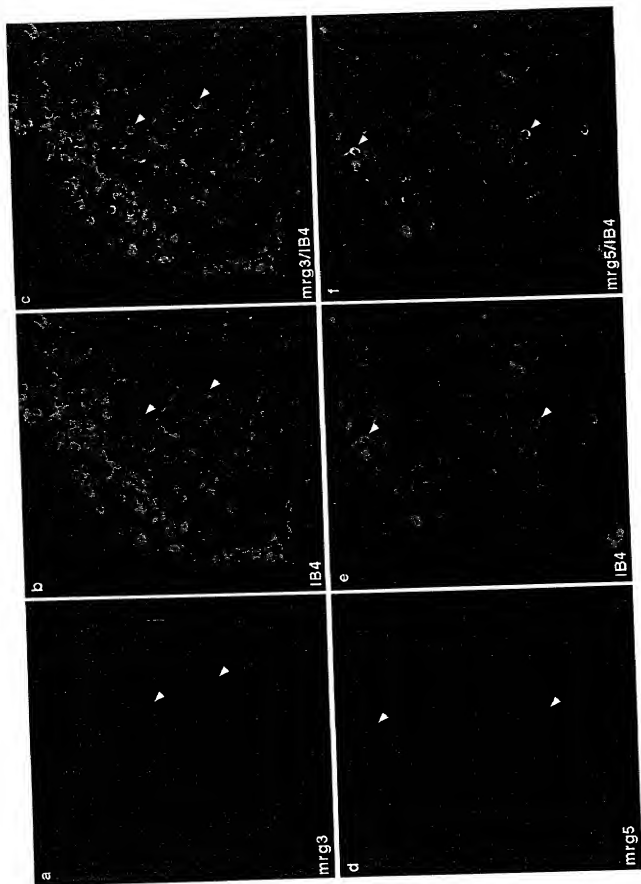


FIG 2D

Figure 3

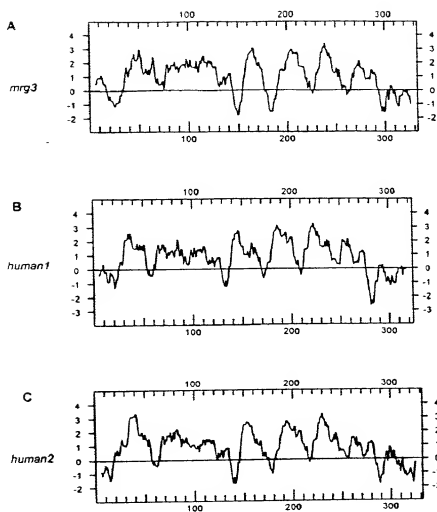
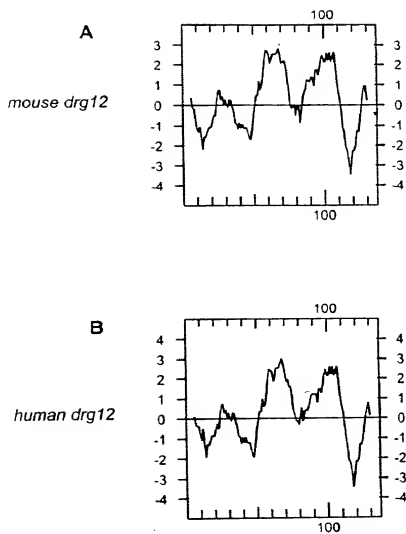
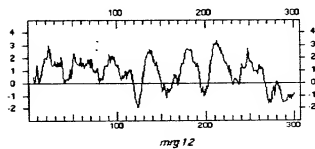
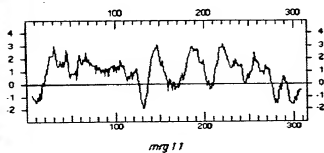
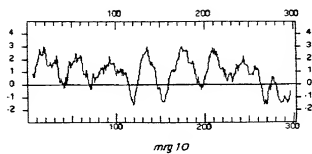
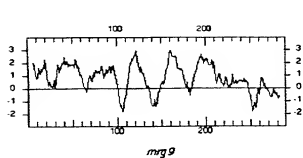




Figure 4





**FIG. 5**



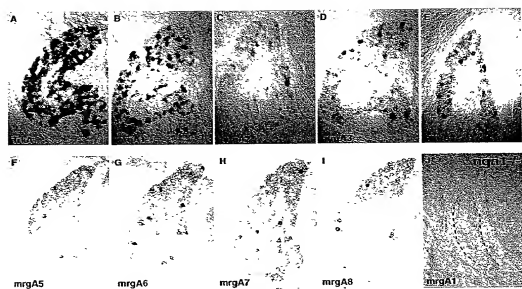


FIG 7

FIG 8

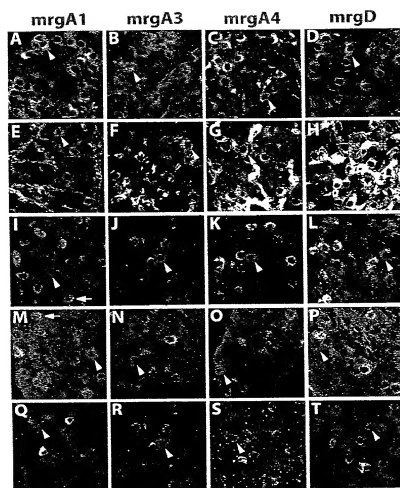
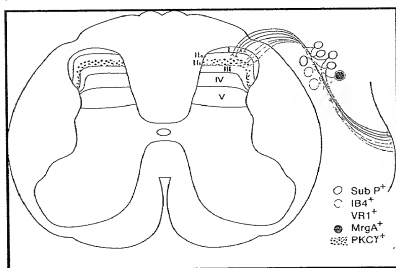


FIG 9



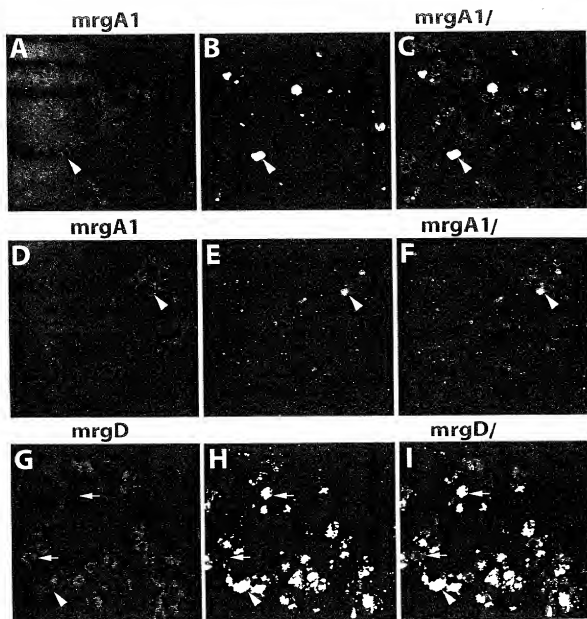


FIG 10

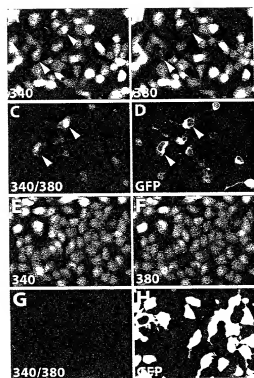


FIG 11

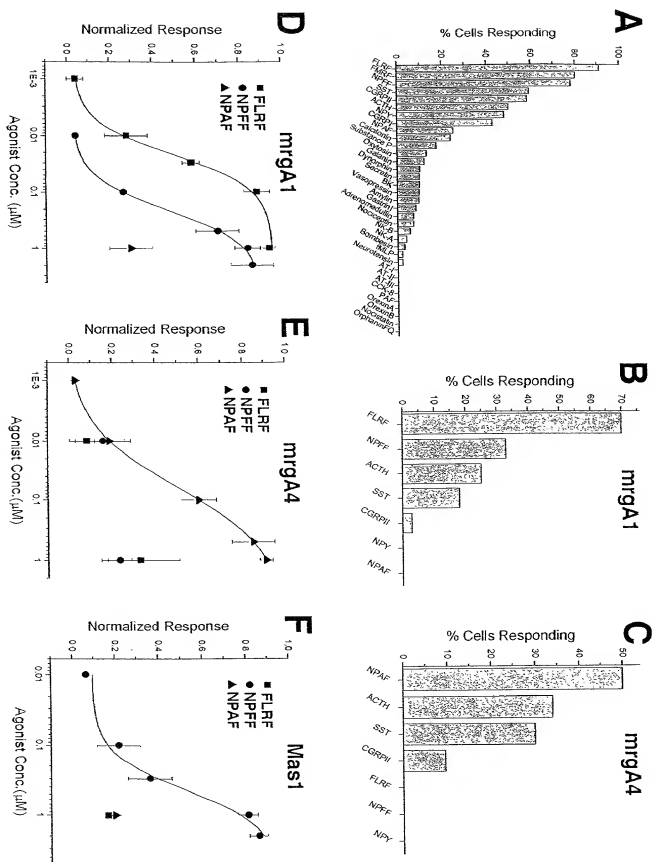


FIG 12



# mMrgB1

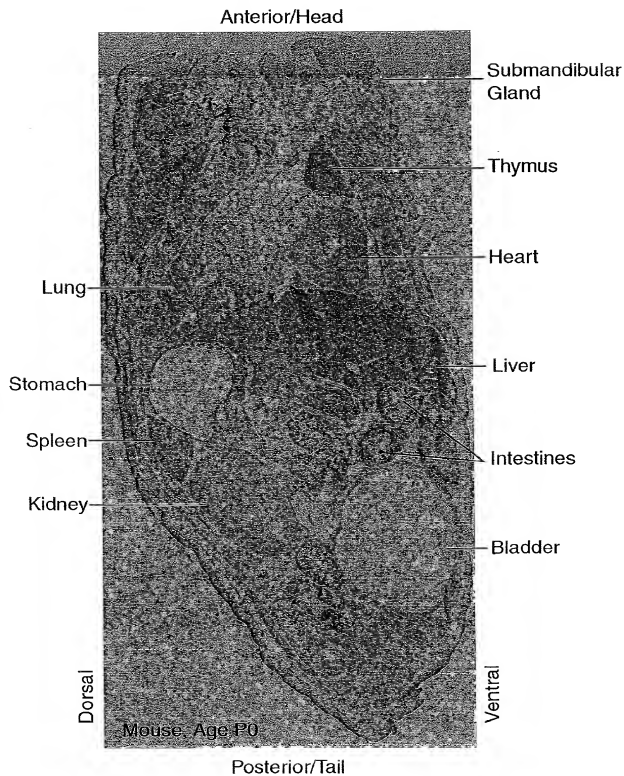


FIG 13

mMrgB1

Skin

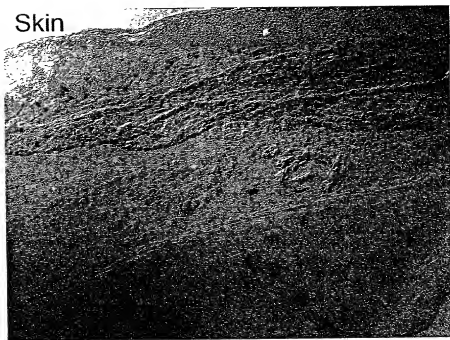


FIG 14

## mMrgD in Adult DRG

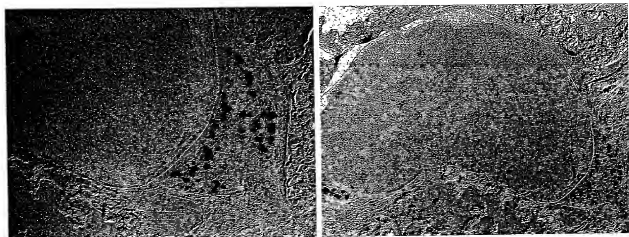


FIG 15